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50 Ohm Transmission and Computer Cable

RG-58A/U Type

Jameco Part Number 232813 (8219-010-100)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • 96% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black or White PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	8219	NEC: CM CEC: CM	U-500▲ 500 U-1000▲ 1000	U-152.4 152.4 U-304.8 304.8	14.0 16.0 27.0 27.0	6.4 7.3 12.3 12.3	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.114	2.90	TC Braid 96% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.194	4.93	53.5	73%	26.5	86.9	1 10 50 100 200 400 700 900 1000	.4 1.3 3.1 4.5 6.6 10.0 14.2 16.6 18.1	1.2 4.3 10.2 14.8 21.7 32.8 46.6 54.5 59.4
P-MSHA • SC-182/5* ▲U-500 ft. and U-1000 ft. put-ups available in White only.																			
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • Duobond® II + 55% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	9311**	NEC: CM CEC: CM	500 U-1000 1000	152.4 U-304.8 304.8	14.5 23.0 23.0	6.6 10.5 10.5	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.114	2.90	Duobond II + 55% TC Braid 17.0Ω/M′ 55.8Ω/km	.193	4.90	52	75%	26.0	85.3	1 10 50 100 200 400 700 900 1000	.5 1.5 2.9 4.0 5.7 8.5 12.2 14.5 15.8	1.6 4.9 9.5 13.1 18.7 27.9 40.0 47.6 51.8
RG-58A/U Type • 20 AWG Stranded (19x33) .035″ Tinned Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	8259		100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.5 13.5 16.0 27.0 27.0	1.6 6.1 7.3 12.3 12.3	20 AWG (19x33) .035″ TC 10.8Ω/M′ 35.4Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.192	4.88	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.4 1.5 3.7 5.4 8.1 12.4 17.7 21.1 22.8	1.4 4.9 12.1 17.7 26.6 40.7 58.1 69.2 74.8
RG-58A/U Type • 20 AWG Solid .032″ Bare Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	8240	NEC: CMX CEC: CMX	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.7 14.5 16.0 28.0 28.0	1.7 6.6 7.3 12.7 12.7	20 AWG (solid) .033″ BC 10.0Ω/M′ 32.8Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.193	4.90	51.5	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 47.6
For Plenum versions of 8240, see 88240 or 82240.																			
Plenum • FEP Insulation • Black FEP Jacket																			
200°C	88240	NEC: CMP CEC: CMP FT6	500† 1000†	152.4 304.8	14.0 26.0	6.4 11.8	20 AWG (solid) .032″ BC 10.2Ω/M′ 33.5Ω/km	.107	2.72	TC Braid 95% Shield Coverage 6.7Ω/M′ 22.0Ω/km	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
75°C	82240	NEC: CMP CEC: CMP FT6	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	12.5 25.0 25.0	5.7 11.4 11.4	20 AWG (solid) .032″ BC 10.2Ω/M′ 33.5Ω/km	.107	2.72	TC Braid 95% Shield Coverage 6.7Ω/M′ 22.0Ω/km	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotation of RG/U cables not listed.

*Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification. **See Belden's website, www.belden.com, for connector information.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.